



- ◆ Range of Standard Values
- ◆ Miniaturized Package
- ◆ Integral Matching Structures
- ◆ High Reliability
- ◆ 15 Watt Average Power Rating
- ◆ N, BNC or TNC Connectors Standard



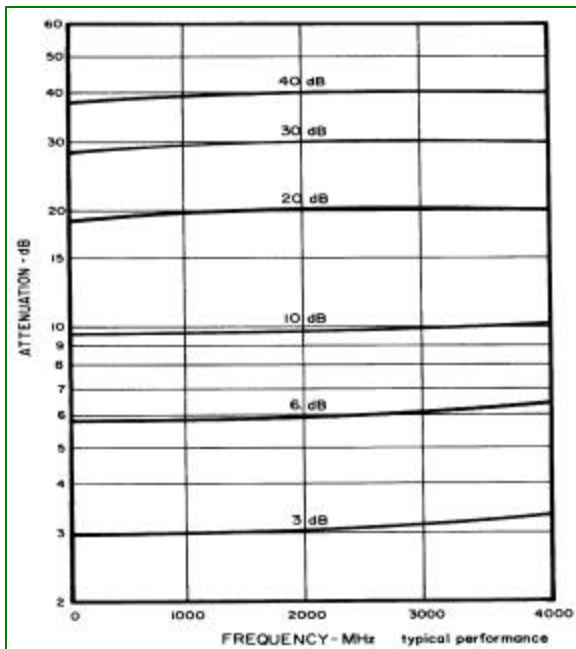
The Microlab/FXR AD series coaxial attenuators are for higher power applications in the DC to 4 GHz frequency range. For general purpose use the [AA series](#) and for all applications requiring greater accuracy or wider frequency coverage use [AB series](#) or [AH series](#).

The AD series attenuators are constructed of two or more lumped T-type resistive elements cascaded to properly distribute the power dissipation. Cooling fins are employed to minimize temperature rise. Attenuators above 6 dB are polarized, such that high power can be applied to the input terminal only. The reverse power rating is 2 Watts.

AD series attenuators are available to order with special attenuation values, VSWR, power ratings, connector series, and connector polarities to meet your exact specifications. (7/98)

Specifications

Frequency Range:	DC to 4.0 GHz
VSWR:	1.30:1 max. for values 3 and 6 dB 1.25:1 max. for values above 6 dB
Impedance:	50Ω nominal
Power Rating:	15 W avg., 2 kW peak
Temperature Range:	-55°C to +125°C
Coefficient:	0.00008 dB/dB/°C
Connectors	
Input:	male
Output:	female
Connector Finish:	Silver plate per QQ-S-365
Case Finish:	Anodize per MIL-A-8625A



Attenuation dB	Accuracy dB	Length in. (mm)	Weight oz. (g)	Model Numbers For N type
3	±0.5	3.9 (99)	3.9 (110)	AD-03N
6	±0.6	5.1 (130)	4.8 (136)	AD-06N
10	±0.8	5.1 (130)	4.8 (136)	AD-10N
20	±1.0	6.3 (160)	5.7 (162)	AD-20N
30	±1.0			AD-30N
40	±1.2			AD-40N

Connector Specifications

Connector Series	Suffix	Typical Part No.	Physical Differences	
			Length in. (mm)	Weight oz. (g)
N	N	AD-03N	Ref.	Ref.
BNC	B	AD-03B	-0.2 (5.1)	-1.5 (-43)
TNC	T	AD-03T	-0.2 (5.1)	-1.4 (-40)